DEPT. OF GEOGRAPHY

Name:		
Enviro	nmental Geology Final Exam, Geog 115 Fall 2004	Dr. John F. Looney, Ji
1.	Renewable: non-renewable as: petroleum. a. tide b. wave c. coal d. nuclear e. both a & b	
2.	Soft: hard as: anthracite. a. bituminous b. coke c. lignite d. brown	e. both c & d
3.	:straturation as vadose: aeration. a. Aquifer b. Hydrologic c. Phreatic d. Hydrothermale. none	of these
4.	Bacteria: Coliform as: particle. a. TDS b. Mg c. Cl d.Ca e. none of these	э
5.	: Chemical as abrasion: hydrolysis. a. acid b. mechanical c . Disintegration d.decomposition	e. both c & d
6.	A: B as leached area: a. soluble material b. accumulation c. deposition d. all of them e. n	one of these
7.	Oxisol: Laterite as:arisdosal. a. caliche b. Entisol c. histosol d. spodisol e. Mollesol	
8.	Pedalfer: Acid: east as pedocal: base: a. North b. South c. West d. Southeast e. Northeast	
9.	Permeable: impermeable as sand/gravel: a. pebbles b. cobbles c. clay d. boulders e.both c & d	
10.	Mineral: ore as diamond: a. precious b. rock c galena d. hematite e. kimberlite	
11.	The U.S. consumes 15% of molybdenum reserves and produces 50% of the sup a. TRUE b. FALSE	ply.
12.	Evaporates form gypsum and halite. a. TRUE b. FALSE	
13.	Placers are large course particles mined in the sea bed floor. a. TRUE b. FALSE	
14.	The U.S. with 6% of world population consumers I/6 of the world's resources. a. TRUE b. FALSE	
15.	The following may be recycled: Al, CR, Co, Cu, Au, No.	

MATCH

16. 17 18. 19. 20. 21. 22. 23. 24. 25.	lead copper manganese arsenic titanium methane petroleum mercury butane plastic			a. smelting toxic b. nodules c. substitution for d. natural gas e. strategic rese	or metal	
26.	Fossil fuels contain hydrogen and oxyg		SE			
27.	Cracking process separates petroleum.		SE			
28.	Many different geological structures cor a. TRUE			deposits of foss	il fuels.	
29.	Slightly less than 40% of U.S oil supplie a. TRUE	es are pro b. FALS		the U.S.		
30.	Geopressurized deep gas zones are en			ne injections.		
31.	There are more than 10,000 oil spills ea a. TRUE	ach year r b. FALS		in 15-25 million	gallons los	t.
32. 33. 34. 35. 36.	anthracite coke lignite bituminous peat	a. b. c. d. e.	soft hard manufa brown uncons	ictured olidated		
37.	Fusion nuclear plants utilizea. deuterium b. tritium c. urar	nium		d. both a & b	e	none of these
38.	A problem of nuclear power generation a. radioactivity b. meltdownc. fuel han	is dling	d. wast	<u>.</u> e disposal	e. all of th	nose
39.	Geothermal power works well ina. Lardarello, Italy b. Russia	c. Japa	n .	d. Greenland	e. all of th	nem
40.	Biomass power generation may product a. alcohol b. trees c. coal	e d. petro	oleum	e. natu	ral gas	
41.	Hawaii utilizes solar and geothermal po	wer. b. FALS	SE,			
42.	Biomass fuel may utilize manure a. TRUE	b. FALS	SE			
43.	Electrical power usually is transported I	ess than b. FALS		es.		

44.	Gasohol is usually 10% methane. a. TRUE b. FALSE
45.	Americans generate about 4 lbs/day of waste. a. TRUE b. FALSE
46.	The largest source of industrial waste isa. animal b. chemical c. paper d. cropse. minerals
47.	The common waste disposal site in Massachusettsa. sanitary landfill b. open dump c. incineration d. off shore dump e. none of these
48.	The country with the largest garbage to energy conversion rate is a. US b. France c. Sweden d. Switzerland e. Japan
49.	In a sanitary landfill you and a. burn/bury b. compost/cover c. leach/run off d. recycle/ reuse e. none of them
50.	A good economic reason to recycle is that a. product is cheaper b. product degrades quickly c. deposits on cans and bottles d. paper is in short supply e. none of them
MATCH	1
51. 52. 53. 54. 55. 56. 57. 58. 59.	Soda bottles Parking Salad bottles Salad bottles Milk bottles Motor oil containers Detergent bottles Prescription bottles Shopping bags Cereal boxes a. polyethylene b. high density polyethylene c. low density polyethylene d. polypropylene e. polystyrene
61.	For non municipal waste plants the preferred treatment in Massachusetts is a. sewage b. cesspool c. swimming pool d. septic tank e. gas tank
62.	Most secondary sewage treatment utilizesa. screens b. chemicals c. filters d. both a & c e. none of these
63.	Massachusetts is one of the largest generators of radio active waste in the U.S. a. TRUE b. FALSE
64.	The U.S. Government selected Yucca Mountain as a nuclear waste site because a. arid climate b. low population c. low water table d. geological stability e. all of them
65.	Radioactive materials with the shortest I/2 life probabilitya. U2 38 b. Cl4 c. Ra222 d I 131 e. SR 90

66.	An important consideration in chemical contamination of water supplies isa. point source		
	b. non point source		
	c. permeability		
	d. resident time		
	e. none of them		
NA A T CL			
MATC	1		
67.	Pesticide	a. califaction	
68.	Thermal pollution	b. anaerobic	
69.	Fungicide	c. organic	
70.	PCB	d. Eutrophication	
71.	PVC	e. Negative human effect	
72.	H,S		
73.	Methane		
74.	Herbicide		
75.	Noxious gas		
76.	BOD	a. Califaction	
77.	Blue green algae	b. Anaerobic	
78.	Bloom	c. Organic	
79.	Teratogen	d. Eutrophication	
80.	Bog Formation	e. Negative Human Effect	
81.	Pesticides of restricted use in water area. copper sulfate b. Rotenone c. DD	 T d. DDE e. both a & b	
82.	Program to minimize amount of pesticides use a. IBM b. IPM c. PCB	d is d. PVC e. DDT	
•		3. <u>3.</u> 3.	
83.	The most common components of our air are_a. Nitrogen b. oxygen c. carbon dioxide	d. Iron e. all but d	
MATCI			
84.	Oxides	a. Ozone	
85 <i>.</i>	combustion products	b. Carbon monoxide	
86.	removed by rain from air	c. POM	
87.	high temperature	d. Nitrates	
88.	smog	e. Sulfur	
89	absorbs ultraviolet rays	e. Sullul	
90.	may cause skin cancer		
			
91.	activated by CFC's		
92.	melanoma		
93.	0 ₃		
94.	deadly		
95.	odorless		
96.	displaces hemoglobin in blood		
97.	urban industrial problem		
98.	low quality coal		
99.	acid rain		
100.	scrubbers		

101.	Volatile organic compounds inc a. hydrocarbons b. cl e. all except d		heavy metals d.	UFFI
102.	500: 50 as : g a. moderate b. unhealthful	ood. c. very unhealt	hful d. both b &	c e. none of these
103.	Methods of controlling air pollut a. filters b. scrubbers c.		d. wet scrubbers	e. all of them
104.	Riparian: Prior appropriation as a. North b. South c. Wes	s West: std. Northeast	e. Southeast	
105.	According to the Rule of capture a. TRUE		yours. SE	
106.	According to the Rule of Reaso a. TRUE		polluted water to str SE	reams.
107.	The oldest US law concerning va. Riverways Act b. Murd. Water Quality Improvement		c. Clear Water Act A Act	
108.	According to CRAMRA we can a. TRUE		SE	
109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119.	Love Canal geological hazards zero flocculants Environmental Policy Cost Benefit Toxic waste site Rivers pollution exclusion coasts footing marine dumping soils		a. Superfund b. Field ACT c. MDS d. EIS e. FFIP	
121.	Manganese in smoke and aero aTRUE	sols may cause nerve ar bFALSE	nd brain damage.	
122.	Locoweed is to cattle and may aTRUE	cause hair loss or depres	ssion is rich in the ch	emical selenium.
123.	Selenium is taken up by the roo aTRUE	ot system of plants like w bFALSE	heat, cabbage and o	nions.
124.	Radon is commonly found ina. Fe b.UO²	c. granite	d. limestone	e. both a & b
125.	Humans living in coastal comma. Fe b. UO2			cause of all but c

126. 127. 128. 129. 130. 131. 132. 133. 134. 135.	Certain chemicals in environments impact human physiology. teeth a. zinc growth b. chromium insulin c. lodine glucose tolerance d. lead bone strength e. Fluorine healing infertility poisoning reproduction thyroid problems
136.	Of the 8639 dams in the U.S., the Corps of Engineers says that approximately one third of are unsafe. aTRUE bFALSE
137.	An Olympic site in France recently that was the site of a poorly engineered dam was the a. La Salle b. Seine c. La Rance d. Voiante e. Lido
138.	As a site planner to gain the best possible value from a dam site, I would considera. hydro power b. irrigation c. flood control d. both a & b e. all of them
139.	A good environmental planner would probably use often all of the following maps excepta. topographical b. geological c. political d. zoning e. flood plain
140.	Point source pollution is easier to define than non-point source pollution. aTRUE bFALSE
141.	The Field Act is important in re-establishing inner city brown fields. aTRUE bFALSE
142.	A dam that holds base water, generates power, provides irrigation is described as segmental use function. aTRUE bFALSE
143.	In the US for planning purposes land value is described as the highest and best possible use. aTRUE bFALSE
144.	Pesticides can combine and react with mud. aTRUE bFALSE
145.	Zoning, as we know it, is less than 100 years old in US practices. aTRUE bFALSE
146.	The Federal Government may legally allow mining a Natural Park Land. aTRUE bFALSE
147.	There is a natural conformity on water rights and law in the US. aTRUEFALSE
148.	A pond with pH 4.2 could be sterile, aTRUE bFALSE
149.	Temperature inversion contributes to smog impacts on humans. aTRUE bFALSE
150.	The movement of POM's is dependent upon size and amount of rain. a. TRUE b. FALSE